

CLAIM SUMMARY DOCUMENT:

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Claims 1-9 have been canceled.

10. (Canceled)

11. (Currently Amended) The method of claim 14 ~~40~~, wherein the step of generating a first compressed image data set comprises JPEG compression.

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12. (Currently Amended) The method of claim 14 ~~40~~, further comprising:
storing the first compressed image data set in an image storage device; and
storing the second compressed image data set in the image storage device if space is available.

13. (Previously Amended) The method of claim 12, wherein the steps of generating the first and second compressed image data sets are performed by first and second quantizers.

14. (Currently Amended) A method for processing images in a digital camera wherein the digital camera includes an image storage device having primary and secondary storage areas, comprising the steps of:

inputting a raw image;

generating from the raw image, including employing a first quantizing step, a first compressed image data set suitable for reproducing substantially the entire image at a first quality level; and

generating from the raw image, including employing a second quantizing step independent of the first quantizing step, a second compressed image data set which when combined with the first compressed image data set reproduces substantially the entire image at a second, higher quality level; and

releasing space in the secondary storage area of the image storage device if insufficient space is available in the primary storage area of the image storage device to store the first compressed image data set.

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15. (Previously Amended) The method of claim 14, wherein the step of releasing space in the secondary storage area of the image storage device releases space in a first in first out order.

16. (Previously Amended) The method of claim 14, wherein the step of releasing space in the secondary storage area of the image storage device releases space in a last in first out order.

17. (Previously Amended) The method of claim 14, wherein each first compressed image data set stored in the secondary storage area has associated with it an image quality

metric and the step of releasing space in the secondary storage area of the image storage device releases space in lowest image quality first order.

18. (Canceled)

19. (Currently Amended) The system of claim 22 18, wherein the means for generating a first compressed image data comprises JPEG compression means.

20. (Currently Amended) The system of claim 22 18, further comprising:
means for storing the first compressed image data set in an image storage device; and
means for storing the second compressed image data set in the image storage device
if space is available.

21. (Previously Amended) The system of claim 20, wherein the means for generating the first compressed image data set and the means for generating the second compressed image data set comprise first and second quantizers.

22. (Currently Amended) A system of processing images in a digital camera.
wherein the digital camera includes primary and secondary storage areas, comprising:
means for inputting a raw image;

means for generating from the raw image, including employing a first quantizing step, a first compressed image data set suitable for reproducing substantially the entire image at a first quality level;

means for generating from the raw image, including employing a second quantizing step independent of the first quantizing step, a second compressed image data set which when combined with the first compressed image data set reproduces substantially the entire image at a second, higher quality level; and

means for releasing space in the secondary storage area of the image storage device if insufficient space is available in the primary storage area of the image storage device to store the first compressed image data set.

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cont 23. (Previously Amended) The system of claim 22, wherein the means for releasing space in the secondary storage area of the image storage device releases space in a first in first out order.

24. (Previously Amended) The system of claim 22, wherein the means for releasing space in the secondary storage area of the image storage device releases space in a last in first out order.

25. (Previously Amended) The system of claim 22, wherein each first compressed image data set in the secondary storage area has associated with it an image quality metric

and the means for releasing space in the secondary storage area of the image storage device releases space in lowest image quality first order.

26. (Canceled)

27. (Currently Amended) The system of claim 29 ~~26~~, wherein the processing unit is configured to perform JPEG compression to generate the first compressed image data set and the second compressed image data set.

28. (Currently Amended) The system of claim 29 ~~26~~, wherein the processing unit comprises a first quantizer configured to generate the first compressed image data set and a second quantizer configured to generate the second compressed image data set.

29. (Currently Amended) A system for processing images in a digital camera comprising:

an image storage device; wherein the image storage device comprises primary and secondary storage areas; and

a processing unit configured to transfer raw image data from an input device, generate a first compressed image data set from the raw image, including employing a first quantizing step, wherein the first data set is suitable for reproducing substantially the entire image at a first quality level, and generate a second compressed image data set, including employing a second quantizing sep independent of the first quantizing step, wherein the

second data set when combined with the first data set is suitable for reproducing substantially the entire image at a second higher quality level, store the first compressed image data set in the image storage device and store the second compressed image data set in the image storage device if space is available, and the processing unit is further configured to release space in the secondary storage areas of the image storage device if insufficient space is available in the primary storage area of the image storage device to store the first compressed image data set.

30. (Currently Amended) The system of claim 29, wherein the processing unit is configured to release space in the secondary storage area of the image storage device in a first in first out order.

31. (Currently Amended) The system of claim 29, wherein the processing unit is configured to release space in the secondary storage area of the image storage device in a last in first out order.

32. (Previously Amended) The system of claim 29, wherein each first compressed image data set in the secondary storage area has associated with it an image quality metric and the processing unit is configured to release space in the secondary storage area of the image storage device in lowest image quality first order.